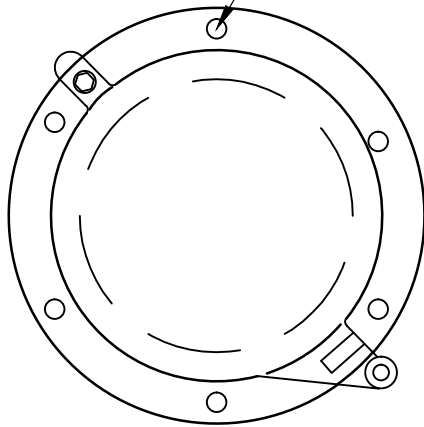
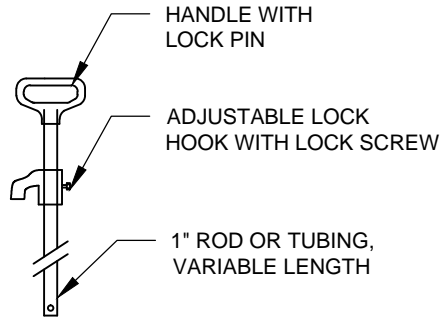


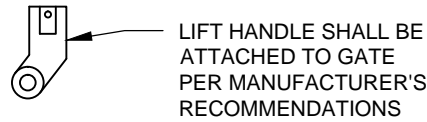
SIX EVENLY SPACED  
HOLES FOR BOLTING TO  
FLANGE CONNECTION



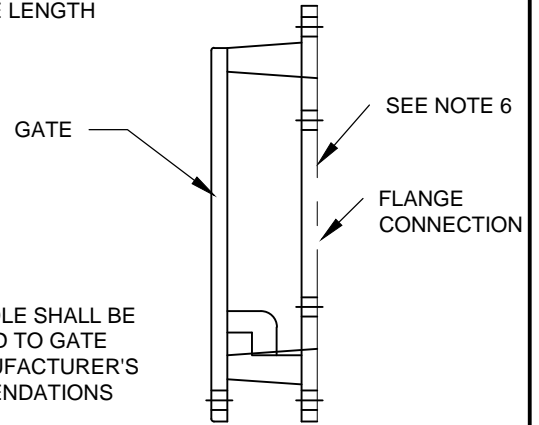
**FRONT**  
NTS



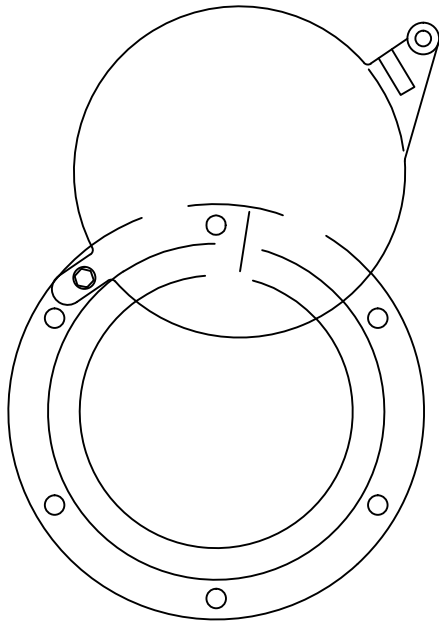
**LIFT ROD**  
NTS



**LIFT HANDLE CONNECTOR**  
NTS



**SIDE VIEW**  
NTS



**MAXIMUM OPENING  
OF GATE**

**NOTES:**

1. SHEAR GATE SHALL BE ALUMINUM ALLOY PER ASTM B-26-ZG-32A AS REQUIRED.
2. GATE SHALL BE 8 INCH DIAMETER FOR PIPE 12 INCHES OR LESS IN DIAMETER, 12 INCH DIAMETER FOR PIPES GREATER THAN 12 INCHES.
3. GATE SHALL BE JOINED TO TEE SECTION BY BOLTING THROUGH FLANGE.
4. LIFT ROD: AS SPECIFIED BY MFR. WITH HANDLE EXTENDING TO WITHIN ONE FOOT OF COVER AND ADJUSTABLE HOOK LOCK FASTENED TO STANDOFF AS DESCRIBED IN STD DETAIL 610.
5. GATE SHALL NOT OPEN BEYOND THE CLEAR OPENING BY LIMITED HINGE MOVEMENT, STOP TAB, OR SOME OTHER DEVICE.
6. NEOPRENE RUBBER GASKET REQUIRED BETWEEN RISER MOUNTING FLANGE, STOP TAB, OR SOME OTHER DEVICE.
7. MATING SURFACES OF LID AND BODY TO BE MACHINED FOR PROPER FIT.
8. FLANGE MOUNTING BOLTS SHALL BE 3/8 INCH DIAMETER STAINLESS STEEL.
9. ALTERNATE SHEAR GATES TO THE DESIGN SHOWN ARE ACCEPTABLE, PROVIDED THEY MEET THE MATERIAL SPECIFICATIONS ABOVE.

*Gary M. Schimek*

APPROVED BY: GARY M. SCHIMEK  
NATURAL RESOURCES/STORMWATER ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017



STANDARD DETAILS

**STORMWATER  
SHEAR GATE**

FILE NAME: SD613.DWG

DETAIL NUMBER: 613